

Andrea Meeks

From: Brewer, Jason D CIV USARMY CEPOA (US) <Jason.D.Brewer@usace.army.mil>

Sent: Thursday, September 19, 2019 3:22 PM

To: Will Kemp
Cc: Andrea Meeks

Subject: RE: [Non-DoD Source] 81103.01 Kanektok River Reroute CDR - File Transfer: Kanektok

River Reroute Documents (UNCLASSIFIED)

Attachments: IP Application_Eng_Form_4345.pdf; permitapplicationinstructions.pdf;

ChecklistDrawings-PermitApplication.pdf; ChecklistDrawings-BankStablization-RIPRAP.pdf; ChecklistDrawings-Stream-Crossing.pdf; ChecklistDrawings-Wetland-Fill-

for-Road.pdf

CLASSIFICATION: UNCLASSIFIED

Will,

Just to follow up on our conversation today. Based on your conceptual design, you would need to apply for an Individual Permit. This process can take up to 120 days, but based on the location and some of the pre-work you have already completed it could probably be processed much sooner than that. These permits are generally good for 5 years and can be extended. So it's recommended you submit the application as soon as possible. You or Andrea may already be familiar with this process, but I've provided some additional information below that may help.

We would need a little more detail in an application to be able to issue a Public Notice (which has a 30-day comment period). I've attached an application, instructions, and a few example plan view and cross section drawings that can help convey what the project entails to us, other agencies, and the public.

In general, we are looking at the (permanent and temporary) impacts to waters of the United States (WOTUS), including wetlands. WOTUS appear to comprise much/most of your project area, but this will need to be established. The application should essentially describe the toe-to-toe footprint of the project, such as the area (length and width) excavated and area where discharges would occur. Volumes are helpful as well, but the footprint is most important. You should account for temporary and permanent impacts, including access routes (are these to be left or reclaimed?). Having a good "Purpose and Need" will help drive/focus our alternatives analysis.

During and after the public notice we would likely be asking for additional information to help with our analysis. Some of the information you have already submitted will be very helpful in this regard, such as the alternatives that you looked at. We would be coordinating/consulting with other agencies, so any work/coordination you do can be provided to us to streamline this process. Especially with Fish and Game since this is an anadromous stream.

I also want to let you know I added this conceptual project to our database. I have also added this email trail and the plans and erosion study I downloaded to our administrative record. The project is POA-2019-00551.

I hope this helps. If you have any additional questions please feel free to give me a call.

Since I added this information to our database, you can also contact anyone at our office if I am away and they will have access to the background information. Just reference POA-2019-00551 or describe the location and someone can find it that way.

Have a great rest of the day.

Jason Brewer Regulatory Specialist North Section, Alaska District

Print Form	Save As

U.S. Army Corps of Engineers (USAGE) APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT

33 CFR 325. The proponent agency is CECW-CO-R.

Form Approved-OMB No.0710-0003 Expires: 02-28-2022

The public reporting burden for this collection of information, OMB Control Number 0710-0003, is estimated to average 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. PLEASE DO NOT RETURN YOUR APPLICATION TO THE ABOVE EMAIL.

PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned. System of Record Notice (SORN). The information received is entered into our permit tracking database and a SORN has been completed (SORN #A1145b) and may be accessed at the following website: httlR:1/df:lcld.defense.gov/PrivacJ/SOR NsIndex/DOD-wide-SOR N-Article-View/Article/570115/a1145b-ce.asf)x

and may be accessed	at the following web	osite: ht!R:1/d[:le	cld.defense.gov/PrivacJ	'/SOR NsIndex/DOD-w	ide-SOR N-Article-View	/Article/570115	/a1145b-ce.as[)x
		(17	TEMS 1 THRU 4 TO B	E FILLED BY THE CO	ORPS)		
1. APPLICATION NO).	12. FIELI	D OFFICE CODE	13. Г	DATE RECEIVED 14.	DATE APPLIC	ATION COMPLETE
		(ITEMS BELOW TO BE	E FILLED BY APPLIC	CANT)		
5. APPLICANT'S NAI	ME			8. AUTHORIZED A	AGENT'S NAME AND T	TITLE (agent is	not required)
First-	Middle-	Last-		First-	Middle-	Last-	
Company-				Company-			
E-mail Address-				E-mail Address-			
6. APPLICANT'S ADI	DRESS:			9. AGENT'S ADDR	RESS:		
Address-				Address-			
City-	State-	Zip-	Country-	City-	State-	Zip-	Country-
7. APPLICANT'S PHO	ONE NOs. w/AREA	CODE		10. AGENTS PHO	NE NOs. w/AREA COD	DΕ	
a. Residence	b. Business	C.	Fax	a. Residence	b. Business	C.	Fax
			STATEMENT O	F AUTHORIZATION			
11. I hereby authorize supplemental info	e, rmation in support o	of this permit ap	•	my agent in the proce	essing of this application	and to furnish,	upon request,
		Sl t	GNATURE OF APPLIC	CANT	DATE 		
		NAME, LOC	CATION, AND DESCR	IPTION OF PROJECT	OR ACTIVITY		
12. PROJECT NAME	OR TITLE (see inst	tructions)					
13. NAME OF WATE	RBODY, IF KNOWN	(if applicable)		14. PROJECT STR	REET ADDRESS (if app	olicable)	
				Address			
15. LOCATION OF P	ROJECT						
Latitude: 0N	L	ongitude: oW		City-	State-	-	Zip-
16. OTHER LOCATION	ON DESCRIPTIONS	, IF KNOWN (s	see instructions)				
State Tax Parcel ID			Municipality				
Section-	Town	ship-		Range-			

		T TILLE OILL	Save As
17. DIRECTIONS TO THE SITE			
5			
18. Nature of Activity (Description of project	et, include all features)		
19. Project Purpose (Describe the reason	or purpose of the project, see instructions)		
USF B	LOCKS 20-23 IF DREDGED AND/OR FILL MATE	RIAL IS TO BE DISCHARGED	
	——————————————————————————————————————		
20. Reason(s) for Discharge			
21. Type(s) of Material Being Discharged a	and the Amount of Each Type in Cubic Yards:		
		T	
Type Amount in Cubic Yards	Type Amount in Cubic Yards	Type Amount in Cubic Yards	
Amount in Cubic Tards	Amount in Cubic Tailus	Amount in Cubic Tards	
22. Surface Area in Acres of Wetlands or 0	Other Waters Filled (see instructions)		
Acres			
or			
Linear Feet			
23. Description of Avoidance, Minimization	and Compensation (see instructions)		
	,		

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24. Is Any Portion of the V	Work Already Complete?	Yes DNo IF YES, D	ESCRIBE THE COMPLET	TED WORK	
25. Addresses of Adjoining	g Property Owners, Lessees	s,Etc., Whose Property Adjo	oins the Waterbody (if more	than can be entered here.pease atta	ch a supplemental list)
a. Address-					
City-		State-		Zip-	
b. Address-					
City-		State-		Zip-	
c. Address-					
City-		State-		Zip-	
d. Address-					
City-		State-		Zip-	
e. Address-					
City-		State-		Zip-	
26 List of Other Certificat	es or Approvals/Denials rece	aived from other Federal St	rate or Local Agencies for	Work Described in This App	dication
AGENCY	TYPE APPROVAL*	IDENTIFICATION	DATE APPLIED	DATE APPROVED	DATE DENIED
AGENCT	TTPEAFFROVAL	NUMBER	DATE APPLIED	DATE AFFROVED	DATE DENIED
				-	
*Would include but is not	restricted to zoning, building	, and flood plain permits			
27. Application is hereby complete and accurate. I applicant.	made for permit or permits to further certify that I possess	o authorize the work describ the authority to undertake th	ped in this application. I can ne work described herein	ertify that this information in to or am acting as the duly auth	his application is norized agent of the
OLONATURE			OLONIATI	IDE OF ACENT	DATE
	E OF APPLICANT e signed by the person w	DATE ho desires to undertake		JRE OF AGENT applicant) or it may be sigi	DATE ned by a duly
	statement in block 11 has			The second of territory be sign	
18 S.C. Saction 1001	provides that Whoover	in any manner within the	iurisdiction of any don	artment or agency of the	United States
	-			I fact or makes any false,	

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statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent

statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.



Meeting Report

Date: September 17, 2019; 11:00 am

Invitees: Andrea Meeks (CRW), Will Kemp (CRW), Megan Marie (ADF&G), Scott Graziano

(ADF&G)

Attendees: Andrea Meeks (CRW), Will Kemp (CRW), Megan Marie (ADF&G), Scott Graziano

(ADF&G)

Reporter: Will Kemp – CRW Engineering Group, LLC **Location:** ADF&G 2nd Floor Habitat Conference Room

Project: Kanektok River Reroute

Project No: (CRW#81103.01)
Subject: ADF&G Permitting

Comments:

General timeframe for the project is October to January

- o ADF&G response this seems like an ideal timeframe from a fish migration standpoint
- A Fish Habitat Permit will cover the in river work, including the river crossing required for site access
- An Aquatic Resource Permit will be required for fish capture and relocation
- Diverting flow from the main channel to the new side channel should be done gradually
- The duration of the access road crossing and it's impacts on fish will be the main considerations for issuance of the permit
- One possible approach for the crossing would be to use two abutments with a temporary rail car type bridge that is placed temporarily during crossing activities
- If the river is low enough, and depending on the fish activity, vehicles may be able to drive through the river
- After diverting water from the main channel, either bypass pumping or fish relocation (or both)
 may be required depending on the remaining flow through the main channel
- The USACE permit will trigger a consultation with USF&W
- It is desirable to measure water level and take pictures this fall to get an idea of river levels
- Megan will consult with local biologists to determine when the latest fish migration in the Kanektok is. This would determine when the work could commence.
- Fish removal will be required from the main channel after water is diverted to the new side channel
- It would be helpful to consult with locals to determine when the river ices up
- Removing fish from beneath the ice is extremely labor intensive and should be avoided if at all
 possible
- There is no fee for either of the permits required for the project
- Typical permit review time is 6 weeks, however the aquatic resource permits can take longer
- The "thalweg" should be shown on the proposed river cross section
- Acoustic devices are not typically used as a fish deterrent. Loud noises can cause damage to fish populations.



FISH HABITAT PERMIT APPLICATION

Alaska Department of Fish and Game - Habitat Section

Office Locations

Name:				
Mailing	Address:			
Email A	ddress:			
Phone: _			_ Alt Phone:	
AGENT	7 / POINT OF CONTA	ACT:		
Name:				
Mailing	Address:			
Email A	ddress:			
Phone: _			_ Alt Phone:	
PROJE	CT TIME FRAME: _			to
	CT TIME FRAME: _ CT LOCATION:			to
PROJE	CT LOCATION:			to
PROJEO	CT LOCATION:			_
PROJEO Water bo	CT LOCATION: ody name: nous stream number:			_

	Water body width: Water body depth:							
	Substrate type (Boulder, cobble, gravel, sand, mud):							
	Stream gradient:							
	ASE COMPLETE THE APPLICABLE SECTIONS BELOW: of best practices for many commonly authorized activities can be found at our Habitat Permits Website							
F.	IN-WATER WORK:							
	Will you place a structure or any fill below <u>ordinary high water</u> ?							
	Will you remove material from below ordinary high water? Yes No							
	Type and amount:							
	Will you alter the bed or banks of the water body?							
	How?							
	Will you use tracked or wheeled equipment below ordinary high water?							
	What type?							
	Will you drive piles below ordinary high water? Yes No							
	How many and what type?							
	Pile installation method: vibratory hammer impact hammer drilled							
	other:							
	Will you divert the stream around the work area?							
	How long will the stream be diverted?							
	How will you divert the stream?							
	Will you be placing a coffer dam or silt fencing to isolate the work area?							
	Will you dewater the work area with a pump?							
	Who will trap fish and remove them from the work area?							

WATERBODY CHARACTERISTICS:

E.

	Intake screening specifications (attach photos if available):							
	present at the time of withdrawal. Contact the <u>Habitat Section</u> for more information on intake screens.							
	impacts to fish. Screening criteria can vary by location depending on the species of fish and life stages							
	Water withdrawal from fish-bearing waterbodies will require appropriate intake screening to avoid							
	Total daily amount (gal): Total seasonal amount (gal):							
	Pump intake size (inches): Maximum pumping rate (gpm):							
Н.	WATER WITHDRAWAL:							
	Will you build ice bridges for winter crossing?							
	How many crossings (one-way) will be required?							
	What type of vehicles or equipment will cross the stream or lake?							
G.	STREAM CROSSINGS:							



STATE OF ALASKA DEPARTMENT OF FISH AND GAME

Aquatic Resource Permit Application

— Fillable Form —

An **AQUATIC RESOURCE PERMIT** is required to take, possess, transport, hold alive, propagate, or tag FISH, AMPHIBIANS, INVERTEBRATES, AND AQUATIC PLANTS (except goldfish and decorative tropical fish) FOR SCIENTIFIC OR EDUCATIONAL PURPOSES under Regulation 5 AAC 41.

(Name of Applicant) (Organization or School)							
(Complete mailing addre	ess including City, St	tate, and	l Zip Code)				
(Telephone Number) (Email Address)							
O. 1 11 C.1	* ,* *,4	1 . 1	1		1: 11 \		
(Name and address of th	e organization with v	which y	ou are under	contract if	applicable)		
I am making application disposition (disposition and release, sacrifice, translated in the sacrifice of the sacrifice).	examples: identify as insport live, hold alive is necessary, attach	nd relea ve, etc.): a separ	se, measure a : rate file to pr	and release,	genetic sample a	and release, tag	
Species Common Name	Species Scientific	Name	Life Stage	Number	Disposition*		
*If capturing at multipl study plan.	e sample locations g	give det	ails of specie	es, life stag	e, number, and	disposition in you	
I understand permits permit for the followin	•				chool year; I a	m requesting thi	
•	11		•				
Year: (20)	From: (month and	d day)		To:	(month and da	ıy)	
I wish to obtain the abo	ove fish [finfish, she	llfish, a	mphibians,	aquatic pla	ints] by means o	of:	
	,	Ź					
(Specify gear type(s): m	innow traps, hoop tra	ps, fyk	e nets, gillnet	s, dip nets,	spat collectors, e	etc.)	
from the following loca	ation(s):						
The same state of the same sta							
(Specify location(s), i.e.	X River at latitude/l	longitud	le, or ESE of	Pt. Barrow	, or on Kodiak Is	land, etc.)	
The purpose of the acti	vities for which a p	ermit is	being reque	ested: (a b	rief purpose state	ement)	

(This area will expand as you type.)



NOTE: A STUDY PLAN or RESEARCH PROPOSAL explaining the purpose and need, the objectives, and the procedures you will use must be included in/with this permit application:

(This area will expand as you type or you may attach the study plan or research proposal.)

Final disposition of collected specimens* not released live at the site of capture will be (e.g. after conclusion of study, frozen and disposed of in landfill):

*Specimens may not be consumed, sold, traded, bartered, or used in any commercial manner.

- For any species to be collected or held that require a federal permit, the applicant must obtain the federal permit first and submit a copy of it with this application.
- If species will be held live, submit a completed AQUARIA SUPPLEMENT with this application.
- For specimens that will be propagated*, exported out of state or released into the waters of the state not at the site of capture, submit a completed AQUATIC SPECIES TRANPORT SUPPLEMENT. *A transport supplement is not needed for aquatic plant propagation.

The following people will participate in field collections under terms of this requested permit:

	-		

I certify that all statements entered on this application are true, that I will abide by all conditions and restrictions of a permit if issued, and promise to submit a report of activities carried out under terms of such permit:

(Name: First, MI, Last) (Date) (Last resource permit (Title) number, if any)

Submit Complete Application For:

Freshwater environment collections

(Division of Sport Fish):

Marine environment collections and permits involving propagation (Division of Commercial Fisheries):

By Email: dfg.dsf.permitcoordinator@alaska.gov

By Email: dfg.fmpd.permitcoordinator@alaska.gov

By Mail:

Attn: Aquatic Resource Permit Coordinator Alaska Department of Fish and Game Division of Sport Fish 333 Raspberry Rd. Anchorage, AK 99518-1565

By Mail:

Attn: Permit Coordinator Alaska Department of Fish and Game Division of Commercial Fisheries-HQ P.O. Box 115526

Juneau, AK 99811-5526

Phone: (907) 267-2331

Phone: (907) 465-4724